

ABSTRACT OF THE DISCLOSURE

Embodiments of a wavelength tunable optical coupler,  
5 integrated optical components, and lasers are disclosed.  
The tunable optical coupler, the integrated optical  
components, and the lasers include thermo-optic organic  
material that has an index of refraction which can quickly  
vary in response to changes in temperature. By controlling  
10 the temperature in the thermo-optic organic material through  
the use of heaters or coolers, the optical coupler, the  
integrated optical components, and the lasers can be quickly  
and selectively tuned over a broad range of wavelengths with  
high spectral selectivity.

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